

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Original) An ultrasonic test apparatus for polymeric materials comprising a low-absorption housing at least partially enclosing an ultrasound transducer that emits a low frequency wide angle ultrasound beam having a narrow bandwidth.
2. (Original) The apparatus of claim 1 wherein the low-absorption housing comprises high-impact polystyrene.
3. (Original) The apparatus of claim 1 wherein the low frequency is between about 1 MHz and about 5 MHz.
4. (Original) The apparatus of claim 1 wherein the ultrasound beam is emitted at a beam angle of between about 30 degrees and about 80 degrees.
5. (Original) The apparatus of claim 1 wherein the bandwidth is about  $\pm 10\%$  of the low frequency.
6. (Original) The apparatus of claim 1 wherein the housing comprises high-impact polystyrene, and wherein the low frequency is about 2.25 MHz at a bandwidth of about  $\pm 10\%$ .
7. (Original) The apparatus of claim 6 wherein the ultrasound beam is emitted at a probe angle between about 30 and about 80 degrees, .
8. (Original) The apparatus of claim 1 wherein the polymeric material comprises a high impact resistant polystyrene.
9. (Original) The apparatus of claim 1 wherein the polymeric material is selected from the group consisting of high-density polyethylene, polypropylene, and polyvinylidene fluoride.

10. (Original) The apparatus of claim 1 further comprising an ultrasound receiver in pitch-catch arrangement with the transducer, wherein the ultrasound receiver produces a signal.
11. (Original) The apparatus of claim 10 wherein the signal is processed using a signal processing software that translates the signal into a visual output.
12. (Original) The apparatus of claim 11 wherein the visual output is displayed on a portable device that is electronically coupled to at least one of the transducer and ultrasound receiver.
13. (canceled)
14. (canceled)
15. (canceled)
16. (canceled)
17. (canceled)
18. (canceled)
19. (canceled)
20. (canceled)
21. (canceled)
22. (canceled)